

A PICTURE IS WORTH A THOUSAND WORDS

Charting information in a pie chart

Zone In

Free Write

1. Students write as many words as possible in 1 minute.
2. Write on the board the target number of words for the group (10 times the number of students). Students don't have to worry about spelling—just quantity and speed.
3. Give the keyword "100 DEGREES." Say GO; time 1 minute. STOP.
4. Students count their words. Add everyone's total to get the total for the group. Did the group make the goal? Ask for volunteers to read their lists.

Topic

Using pie charts to understand data

(Materials: **A Picture is Worth a Thousand Words** ◇◇◇)

Introduction

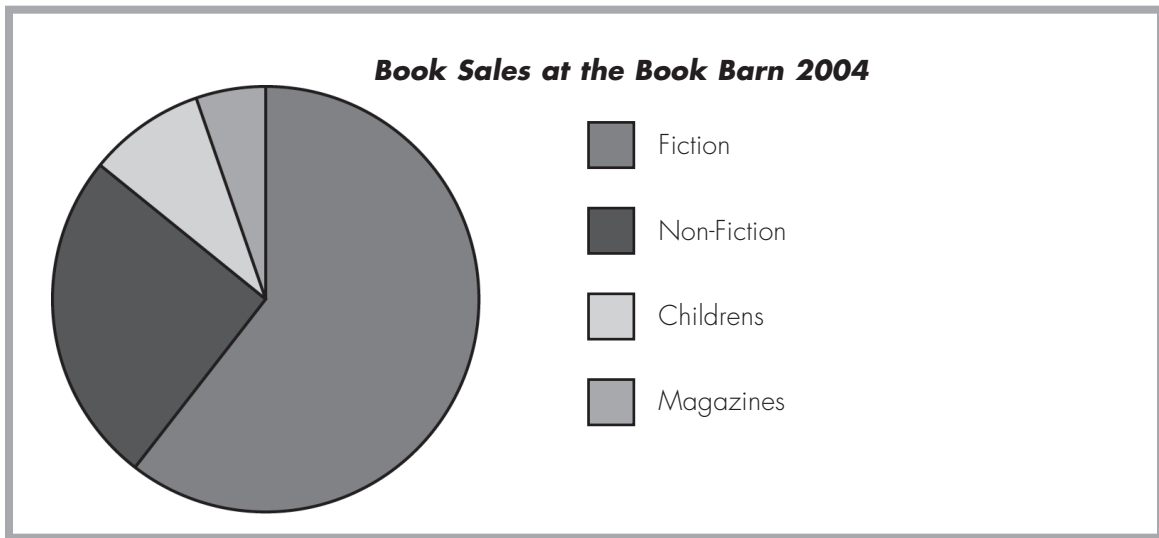
Who has used pie charts? When or why?

Explain: Pie charts (sometimes call pie or circle graphs) are circles divided into sections and look like a pie cut into slices.

Each chart represents a whole (100%) and the pieces are part (a percentage) of it.

Every pie chart has a title indicating what it shows.

Example: This pie chart shows which genres sold the most at the Book Barn in 2004.



Discuss:

Approximately what percent of the books sold was fiction? More or less than 50%?

Approximately what percent was non-fiction?

Approximately what percent was children's books and magazines combined?

Activity

Use a pie chart to represent group information. Distribute **A Picture is Worth a Thousand Words** ◇◇◇. Have students work in small groups to survey one another and create a pie chart to represent results.

Wrap Up

Look in your science and social studies books. What sort of information do you find displayed in pie charts?



CLINIC 14 HANDOUT

A PICTURE IS WORTH A THOUSAND WORDS

Survey the group and create a pie chart to show the results.

How many students are in the group altogether? (This number equals 100%)

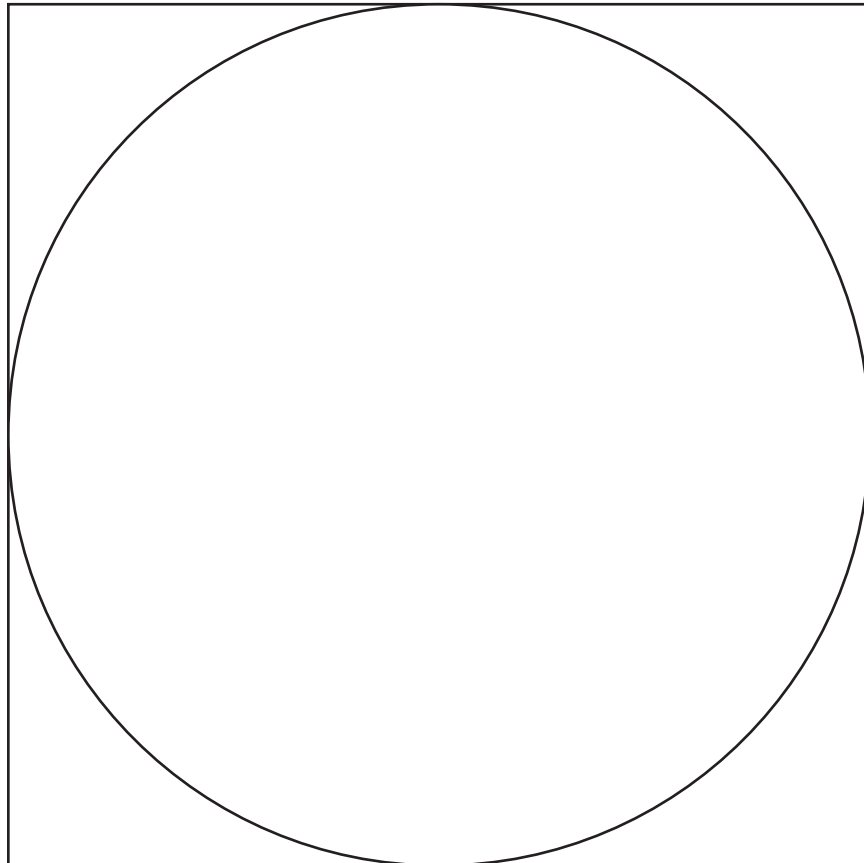
How many were born in this city/town?

How many were born in this state, but not this city/ town?

How many were born in another state?

How many were born in another country?

Chart the information and color code it!

☐

Born here

☐

Born out-of-state

☐

Born in this state, but not here

☐

Born in other country